Setting up the server

```
∠ Windows PowerShell

PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\4-sharing_images> docker run --rm -d --name apache -p 80:80 httpd:2.4 Unable to find image 'httpd:2.4' locally 2.4: Pulling from library/httpd 69692152171a: Pull complete 7284b4e0c7b: Pull complete 3678b2d55ccd: Pull complete 3678b2d55ccd: Pull complete 30492cf0b2a4: Pull complete 30492cf0b2a4: Pull complete 30492cf0b2a4: Pull complete 30492cf0b2a5: sha256:e4c2b93c04762468a6cce6d507d94def02ef4dc285278d0d926e09827f4857db 3058tatus: Downloaded newer image for httpd:2.4 a06fb055aca8e31159902357a18350bb37debdbec715ab43a5be4f2fdb657a20
    PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> curl localhost
    StatusDescription : OK
                                   : <html><body><h1>It works!</h1></body></html>
                                   : HTTP/1.1 200 OK
Accept-Ranges: bytes
Content-Length: 45
Content-Type: text/html
Date: Fri, 14 May 2021 06:29:17 GMT
ETag: "2d-432a5e4a73a80"

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    RawContent
                                       ETag: "2d-432a5e4a73a80"
Last-Modified: Mon, 11 Jun 2007 18:53:14 GMT
                                    : {[Accept-Ranges, bytes], [Content-Length, 45], [Content-Type, text/html], [Date, Fri, 14 May 2021 06:29:17 GMT]...}
   Headers
  Images
InputFields
  ParsedHtml : mshtml.HTMLDocumentClass
RawContentLength : 45
 PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> docker cp index.html apache:/usr/local/apache2/htdocs/PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> curl localhost
 StatusDescription : OK
                                   : <html><body><h1>It works in Docker!</h1></body></html>
  Content
                                   : HTTP/1.1 200 OK
Accept-Ranges: bytes
  RawContent
                                      Accept-Hanges: Dytes
Content-Length: 56
Content-Type: text/html
Date: Fri, 14 May 2021 06:30:39 GMT
ETag: "38-5c21b46021380"
Last-Modified: Wed, 12 May 2021 05:27:58 GMT
 Forms
                                       {} {
[Accept-Ranges, bytes], [Content-Length, 56], [Content-Type, text/html], [Date, Fri, 14 May 2021 06:30:39 GMT]...}
  Headers
  Images
InputFields
 Links
ParsedHtml
 ParsedHtml : mshtml.HTMLDocumentClass
RawContentLength : 56
```

```
PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> docker stop apache
67c09b206ff814a54b438d256ca957aae2398b2d8531d6c7964025aaafe82901
PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> curl localhost
StatusDescription : OK
                   : <html><body><h1>It works!</h1></body></html>
 Content
RawContent
                   : HTTP/1.1 200 OK
                     Accept-Ranges: bytes
                     Content-Length: 45
Content-Type: text/html
Date: Fri, 14 May 2021 06:32:06 GMT
ETag: "2d-432a5e4a73a80"
Last-Modified: Mon, 11 Jun 2007 18:53:14 GMT
                      Server:...
Forms
Headers
                      {[Accept-Ranges, bytes], [Content-Length, 45], [Content-Type, text/html], [Date, Fri, 14 May 2021 06:32:06 GMT]...}
Images
InputFields
Links
ParsedHtml
                    : mshtml.HTMLDocumentClass
RawContentLength : 45
PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes>
```

Managing volumes

Mounting volumes on containers

```
PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> docker volume create httpd_htdocs
httpd htdocs
```

```
PS N:\up-3y2s\coe197s\repos\med_containerization_and_docker\5-volumes> docker run --rm -d --name apache -p 80:80 -V httpd_htdocs:/usr/local/apache2/htdocs/ httpd://docs/s/16a98e085c58fdb8dab9fba72f9614808777e14b87ba3e7549e867925203e1
PS N:\up-3y2s\coe197s\repos\med_containerization_and_docker\5-volumes> docker cp index.html apache:/usr/local/apache2/htdocs/
PS N:\up-3y2s\coe197s\repos\med_containerization_and_docker\5-volumes> curl localhost

StatusCode : 200
StatusCode : 200
StatusCode : (html><br/>Content : (html><br/>Content
```

```
PS N:\up-3y2s\coe197s\repos\me8_containerization_and_docker\5-volumes> docker run --rum -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd://d.
httpd://
```

Mounting host directories on containers

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```